

1 1. A wireless device comprising:
2 a substantially radiation transmissive button;
3 and
4 a fingerprint sensor to capture an image of a
5 fingerprint when the user's finger is positioned over the
6 button.

1 2. The device of claim 1 wherein said sensor is
2 adapted to move with said button.

1 3. The device of claim 2 further including a light
2 source adapted to direct light through said button, an
3 optical system for receiving light reflected from the
4 user's finger over the mouse button and a sensor, all of
5 said elements adapted to move with said button.

112, 2nd

same
sensor
or diff
& sensor

112, 1st
only one sensor
enabled

1 4. A method comprising:
2 providing a wireless device having a
3 substantially radiation transmissive button; and
4 capturing information about the user's
5 fingerprint when the user's finger is situated over said
6 button.

1 5. The method of claim 4 wherein capturing an image
2 includes directing a light beam through said button, so

3 that said light may be reflected by the user's finger and
4 detected within said device.

1 6. The method of claim 5 wherein capturing an image
2 includes providing a sensor which produces an image of the
3 user's fingerprint and transmits that image from said
4 device to a host computer.

1 7. The method of claim 6 including mounting said
2 sensor to move with said button.

1 8. The method of claim 4 including determining the
2 time when the button was operated. 112, 2nd

1 9. The method of claim 8 further including storing a
2 channel being displayed on a television receiver when said
3 button was operated. 112, 2nd

1 10. The method of claim 4 including determining the
2 nature of a user selection by coordinating the time when
3 the user activates a button, and the program currently
4 being displayed on a television receiver.

1 11. The method of claim 4 including using said
2 captured information to authenticate a particular user.

112, 2nd
Same
button
diff.
button
112, 1st
one
button

1 12. The method of claim 11 including identifying a
2 particular user using said captured information and
3 determining whether the user is authorized to initiate a
4 desired transaction.

1 13. The method of claim 4 including determining
2 whether to enable a user to make a purchase of a product
3 currently being displayed on a television receiver.

1 14. The method of claim 4 including determining
2 whether to enable a user to purchase a pay-per-view
3 television program currently being displayed on a
4 television receiver.

1 15. The method of claim 4 including encrypting said
2 information and transferring said information to a host
3 computer.

1 16. The method of claim 15 including transferring
2 said information using a wireless protocol.

3

restrict.

1 17. An article comprising a medium storing
2 instructions that enable a processor-based system to:
3 receive information via a wireless protocol from a
4 remote device;

5 analyze fingerprint information included in said
6 information; and
7 determine the identity of the person who operated
8 said remote device using said fingerprint information.

1 18. The article of claim 17 further storing
2 instructions that enable the processor-based system to
3 determine the time when said device was operated.

1 19. The article of claim 18 further storing
2 instructions that enable the processor-based system to
3 store channels being displayed on a television receiver
4 when said device was operated.

1 20. The article of claim 17 further storing
2 instructions that enable the processor-based system to
3 determine the nature of a user selection by coordinating
4 the time when the user activates said device, and the
5 program currently being displayed on a television receiver.

1 21. The article of claim 17 further storing
2 instructions that enable the processor-based system to use
3 said information to authenticate a particular user.

1 22. The article of claim 21 further storing
2 instructions that enable the processor-based system to

3 identify a particular user using said information and
4 determine whether the user is authorized to initiate a
5 desired transaction.

1 23. The article of claim 17 further storing
2 instructions that enable the processor-based system to
3 determine whether to enable a user to make a purchase of a
4 product currently being displayed on a television receiver.

1 24. The article of claim 17 further storing
2 instructions that enable the processor-based system to
3 determine whether to enable a user to purchase a pay-per-
4 view television program currently being displayed on a
5 television receiver.

1 25. A processor-based system comprising:
2 a processor;
3 a memory coupled to said processor; and
4 a wireless device coupled to said processor via a
5 wireless link, said device captures information about an
6 image of the user's fingerprint when the user's finger is
7 positioned over the device.

1 26. The system of claim 25 wherein said device
2 includes an imaging sensor and a depressible button, said
3 sensor is adapted to move with said button.

1 27. The system of claim 26 further including a light
2 source adapted to direct light through said button, an
3 optical system for receiving light reflected from the
4 user's finger over the button and a sensor, all of said
5 elements adapted to move with said button.

1 11 = 28. The system of claim 25 wherein said memory stores
2 instructions that enable said processor to determine the
3 identity of the person who operated said wireless device.

1 8 = 29. The system of claim 25 wherein said memory stores
2 instructions that enable the processor to determine the
3 time when said wireless device was operated. 112, 2nd

1 9 = 30. The system of claim 25 including a television
2 receiver coupled to said processor, said memory storing
3 instructions that enable the processor to store channels
4 being displayed on the television receiver when said
5 wireless device was operated. ? 112, 2nd